APPENDICES

Appendix 1 Source Code Link

https://go.undiksha.ac.id/JosJS

Appendix 2 Dataset for Training and Testing Link

https://go.undiksha.ac.id/VCH4x

Appendix 3 Simulation Video Screehshots

- Postgraduate

- FMIPA

- FTK

BIOGRAPHY

Putu Bagus Muhammad Fajar, is the son of I Nyoman Surya Brata S.H. and Ir. Ni Putu Sutartini who was born in Denpasar, Bali on July 16, 2003. The author is an Indonesian citizen and a Muslim. Currently, the author lives in Pengastulan village, Seririt District, Buleleng Regency, Bali. The author started his elementary school education at SDN 1 Seririt and graduated in 2015. The author then continued his education to SMPN 1 Seririt and graduated in 2018. Furthermore, he received further education at SMAN 1 Seririt, and graduated in 2021. The author is registered as a student of the Computer Science Undergraduate Study Program at Ganesha University of Education from 2021 until the writing of this undergraduate thesis.